

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050517\  
 Data File : BF094950.D  
 Acq On : 6 May 2017 9:08  
 Operator : SJ/MA  
 Sample : PB98737BL  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 08 01:36:53 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:24:51 2017  
 Response via : Initial Calibration

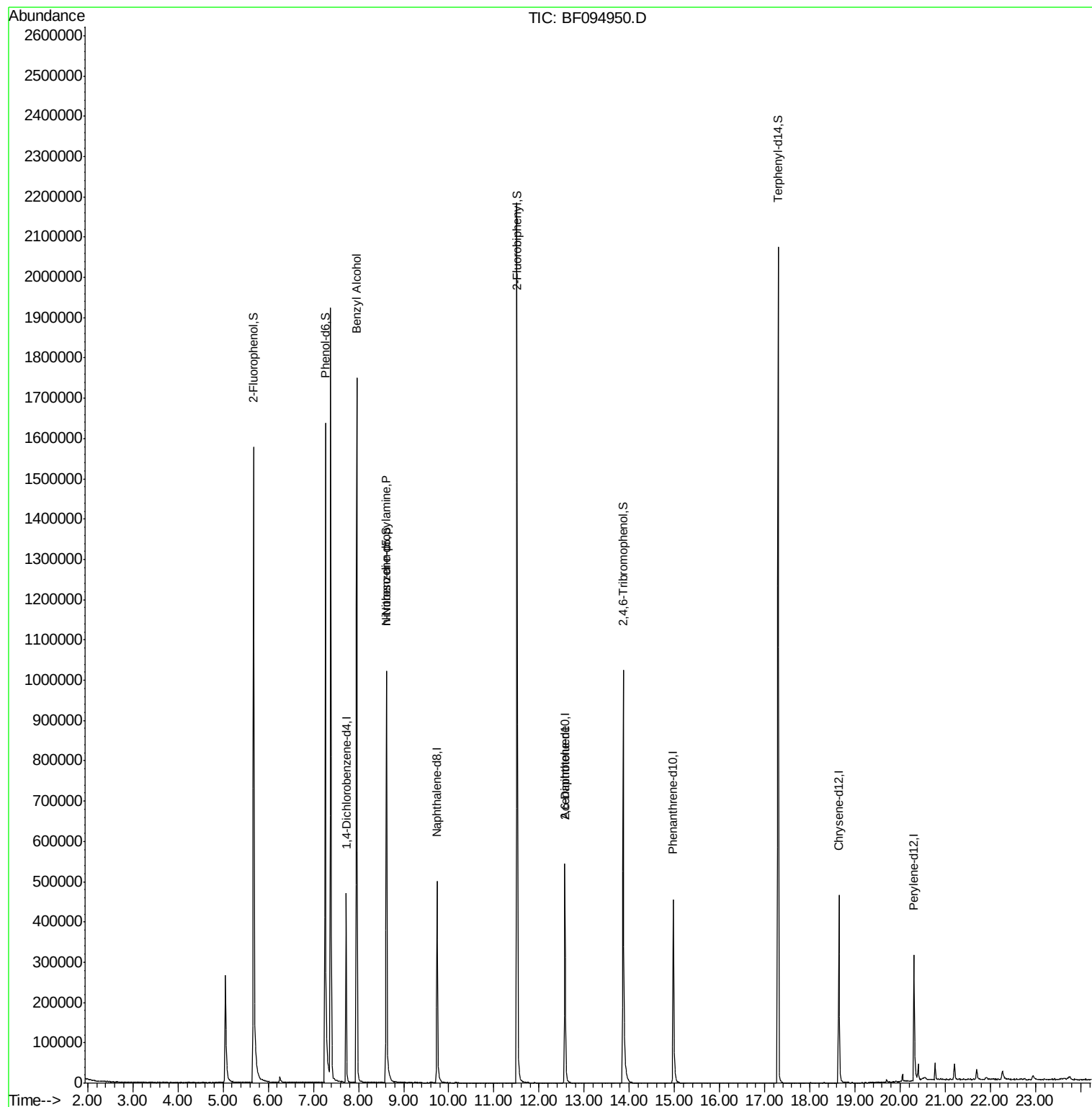
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.72  | 152  | 95705    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 9.74  | 136  | 382833   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 12.57 | 164  | 187814   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 14.97 | 188  | 320998   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 18.64 | 240  | 242380   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 20.31 | 264  | 177725   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.68  | 112  | 745225   | 129.82 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.27  | 99   | 911240   | 132.30 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 8.62  | 82   | 518414   | 85.39  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 13.87 | 330  | 199905   | 129.97 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 11.52 | 172  | 1052872  | 80.69  | ng    | -0.01    |
| 78) Terphenyl-d14              | 17.30 | 244  | 864659   | 78.57  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.96  | 79   | 9077     | 2.05   | ng    | # 45     |
| 19) n-Nitroso-di-n-propylamine | 8.62  | 70   | 66630    | 14.30  | ng    | # 75     |
| 50) 2,6-Dinitrotoluene         | 12.57 | 165  | 17937    | 5.70   | ng    | # 31     |

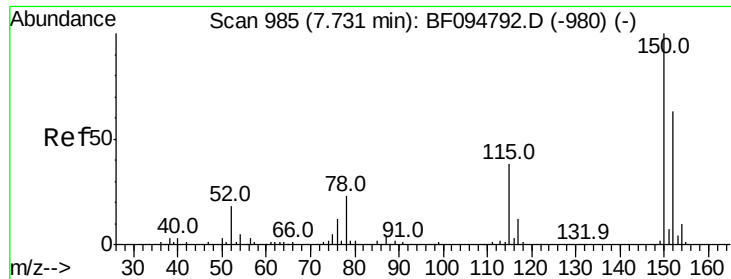
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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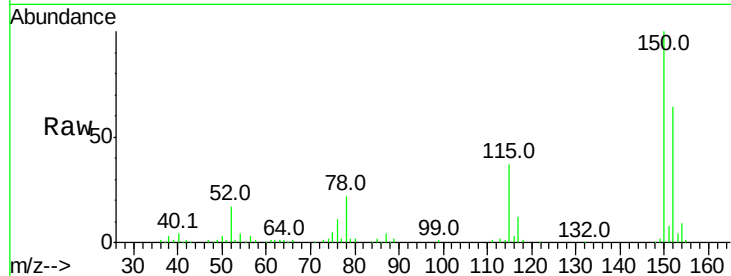


#1

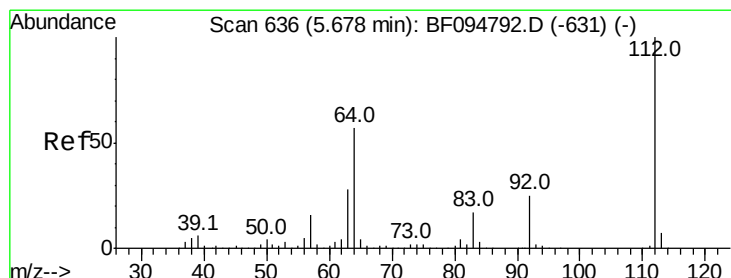
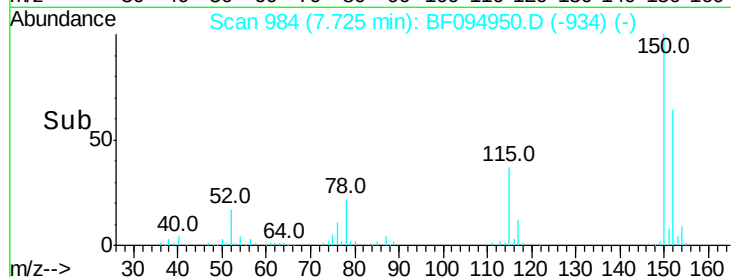
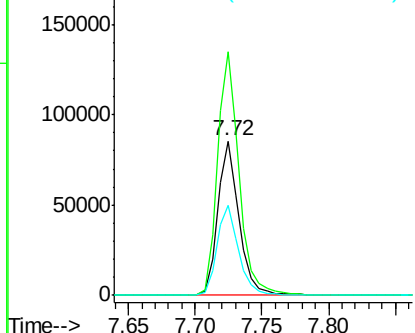
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.72 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: BF094950.D  
Acq: 6 May 2017 9:08

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 95705  
Ion Ratio Lower Upper  
152 100  
150 157.5 126.2 189.2  
115 58.4 52.2 78.2



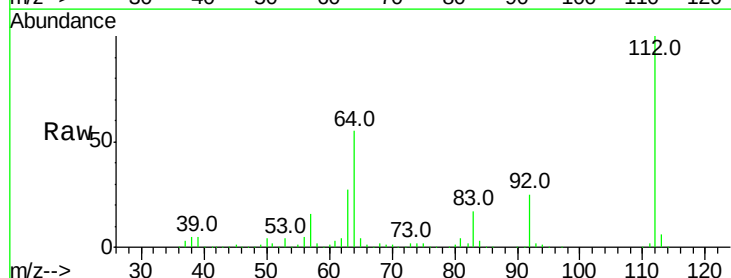
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



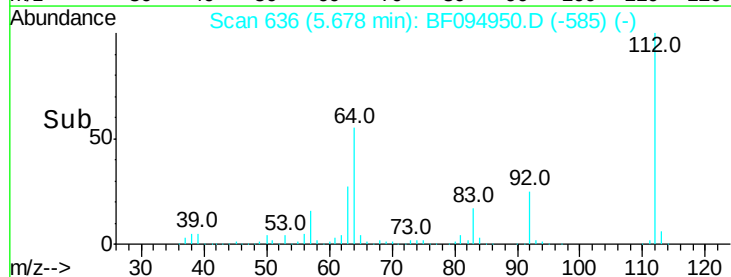
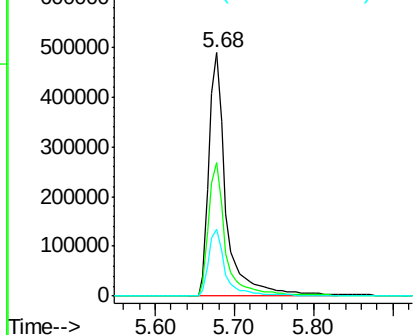
#5

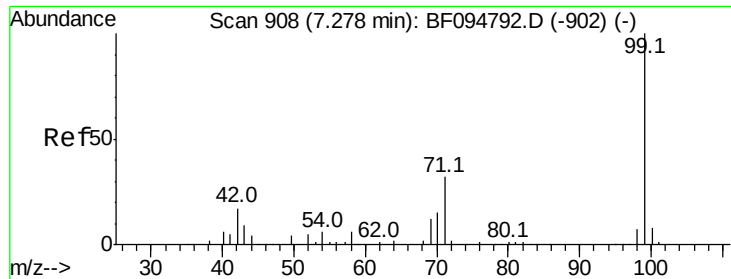
2-Fluorophenol  
Concen: 129.82 ng  
RT: 5.68 min Scan# 636  
Delta R.T. -0.00 min  
Lab File: BF094950.D  
Acq: 6 May 2017 9:08

Tgt Ion:112 Resp: 745225  
Ion Ratio Lower Upper  
112 100  
64 55.0 46.0 69.0  
63 27.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.30 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF094950.D

Acq: 6 May 2017 9:08

Instrument :

BNA\_F

ClientSampleId :

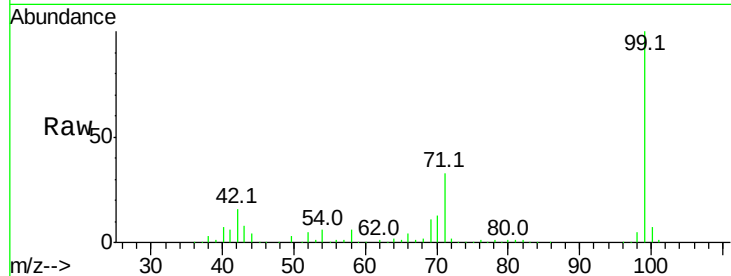
Tot Ion: 99 Resp: 911240

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

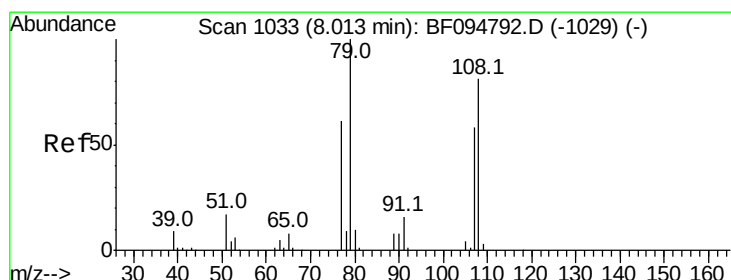
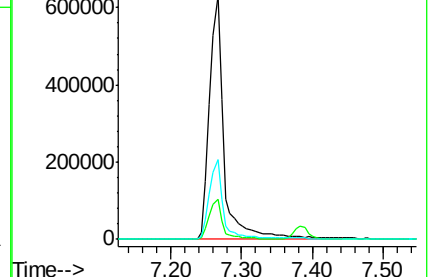
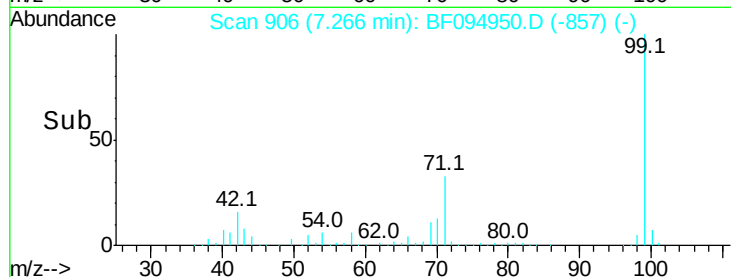
71 32.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.96 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF094950.D

Acq: 6 May 2017 9:08

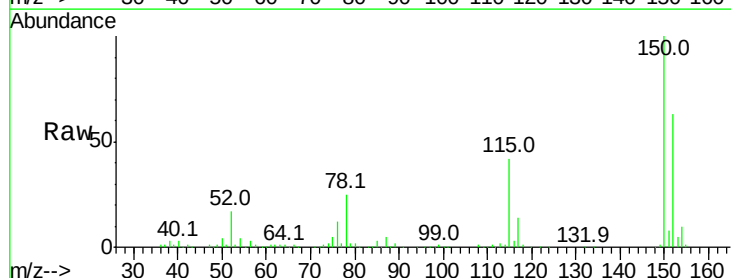
Tgt Ion: 79 Resp: 9077

Ion Ratio Lower Upper

79 100

108 32.4 63.4 95.0#

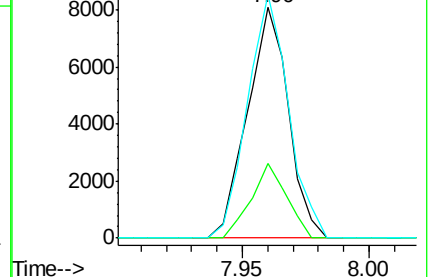
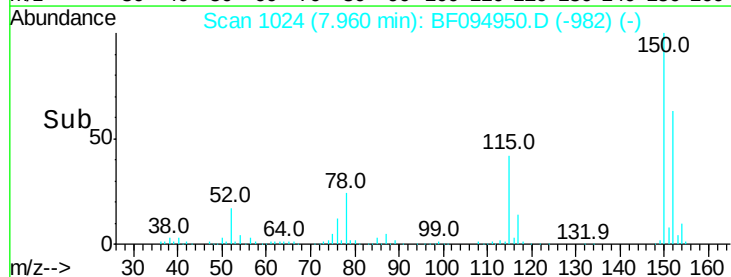
77 105.7 49.2 73.8#

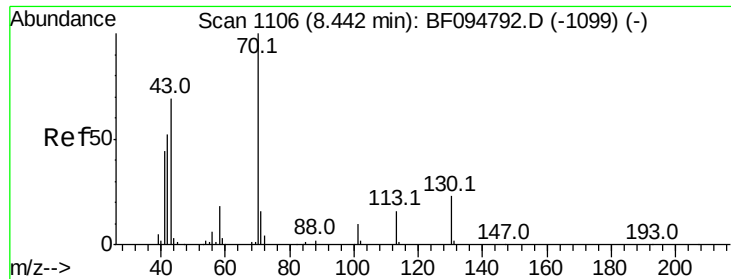


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

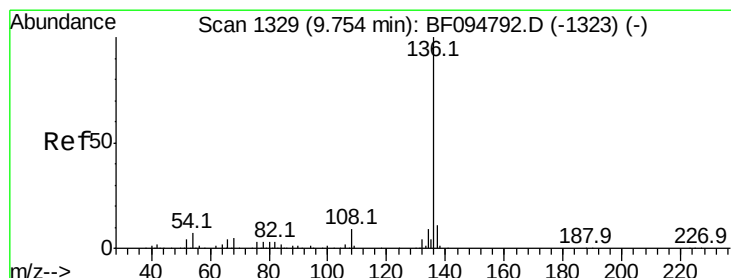
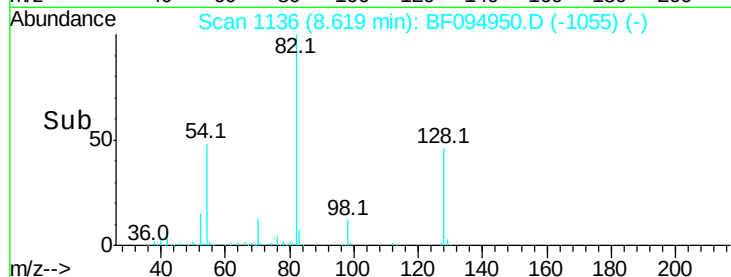
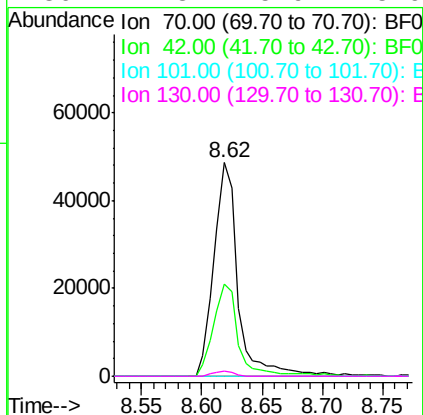
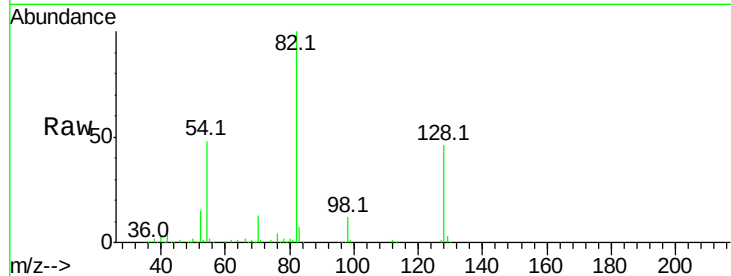




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.30 ng  
RT: 8.62 min Scan# 1136  
Delta R.T. 0.18 min  
Lab File: BF094950.D  
Acq: 6 May 2017 9:08

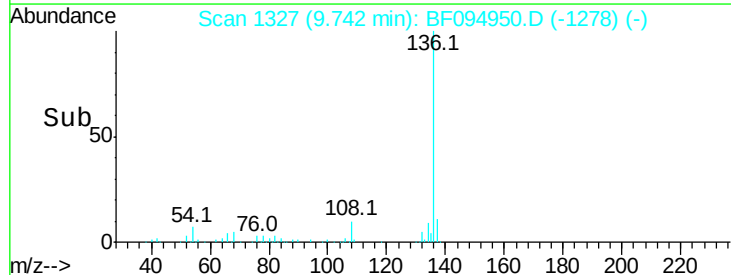
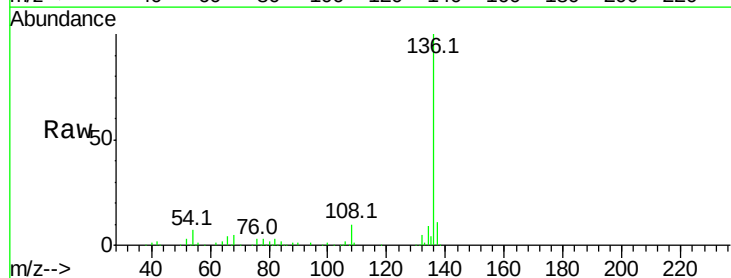
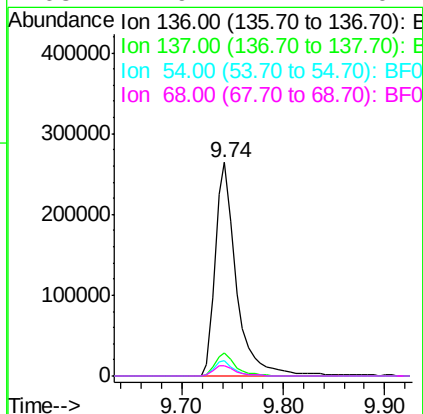
Instrument :  
BNA\_F  
ClientSampleId :

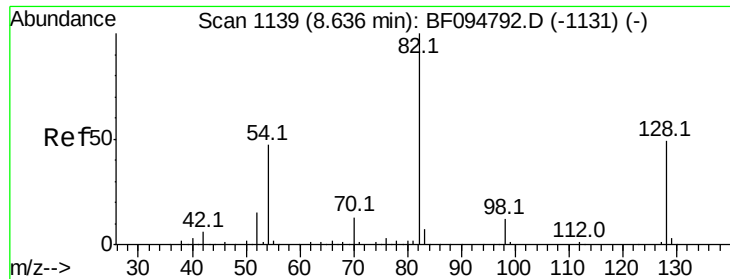
Tot Ion: 70 Resp: 66630  
Ion Ratio Lower Upper  
70 100  
42 43.1 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.3 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.74 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF094950.D  
Acq: 6 May 2017 9:08

Tgt Ion: 136 Resp: 382833  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.5 12.7  
54 7.1 4.9 7.3  
68 4.9 4.1 6.1

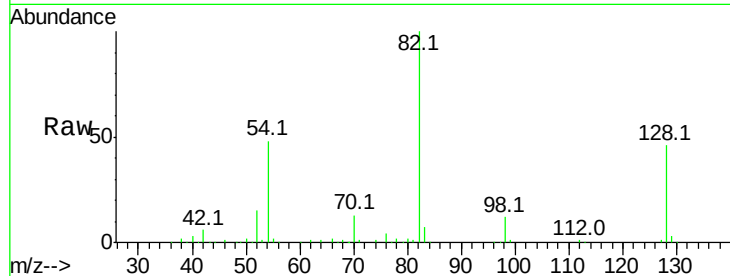




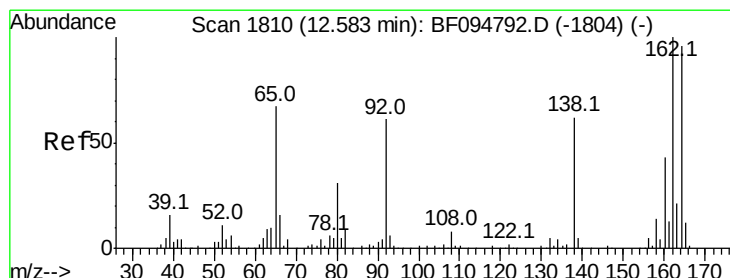
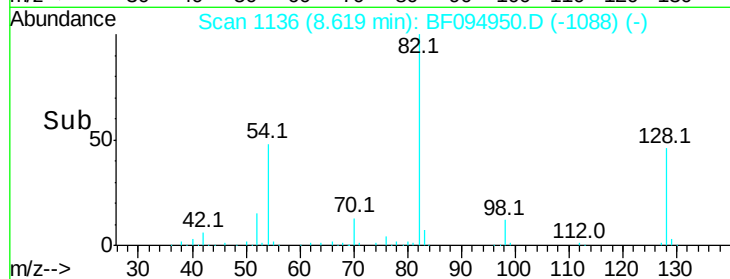
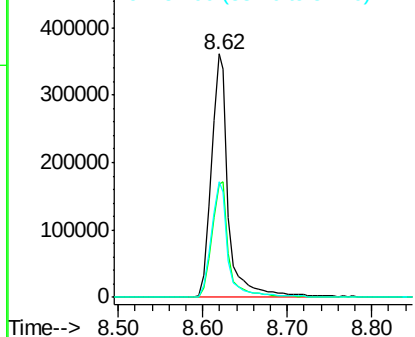
#23  
 Nitrobenzene-d5  
 Concen: 85.39 ng  
 RT: 8.62 min Scan# 1136  
 Delta R.T. -0.02 min  
 Lab File: BF094950.D  
 Acq: 6 May 2017 9:08

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion: 82 Resp: 518414  
 Ion Ratio Lower Upper  
 82 100  
 128 46.3 34.0 51.0  
 54 47.6 42.2 63.2

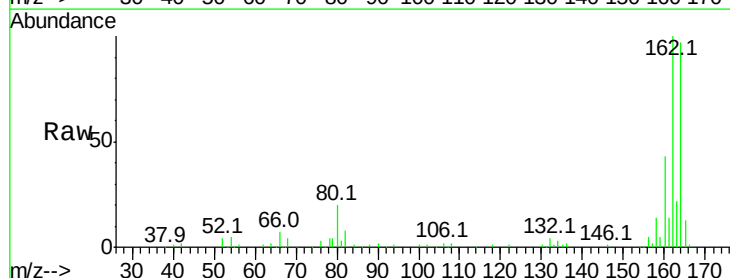


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

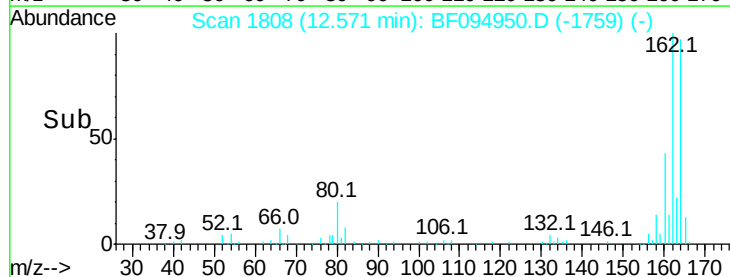
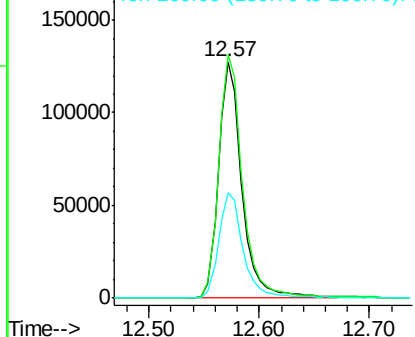


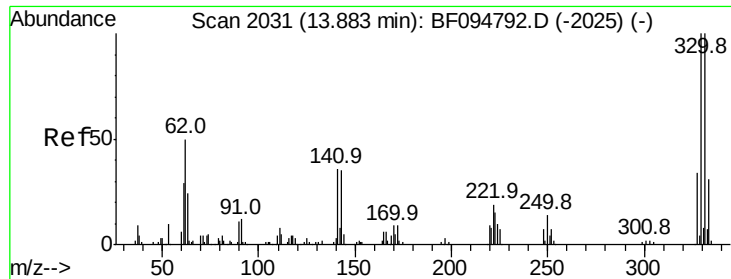
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.57 min Scan# 1808  
 Delta R.T. -0.01 min  
 Lab File: BF094950.D  
 Acq: 6 May 2017 9:08

Tgt Ion: 164 Resp: 187814  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 82.6 123.8  
 160 44.5 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

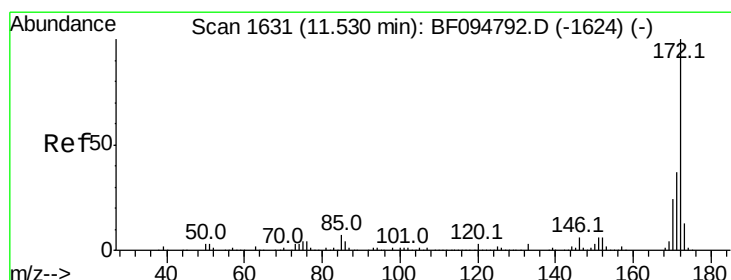
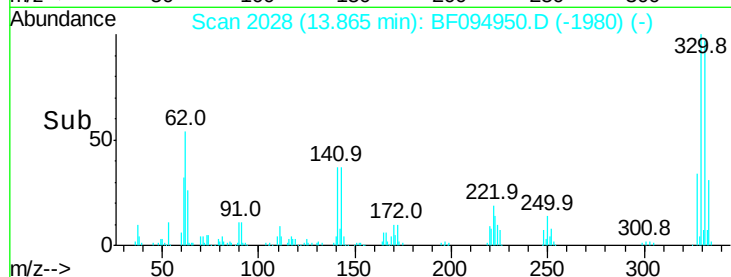
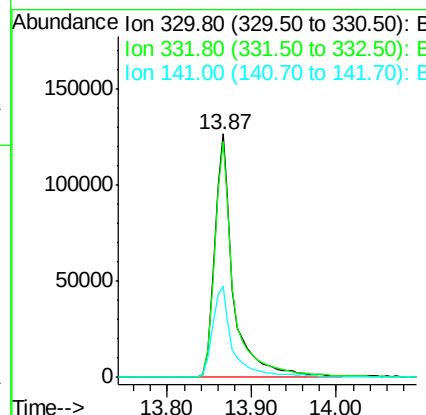
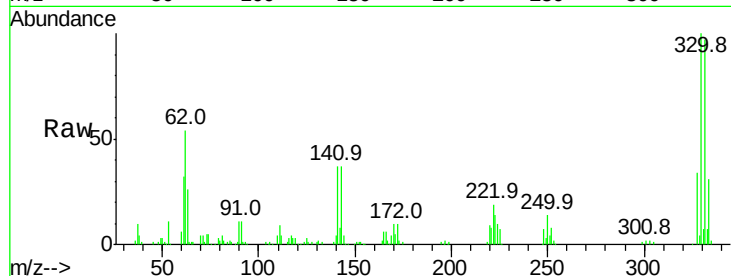




#41  
 2,4,6-Tribromophenol  
 Concen: 129.97 ng  
 RT: 13.87 min Scan# 2028  
 Delta R.T. -0.02 min  
 Lab File: BF094950.D  
 Acq: 6 May 2017 9:08

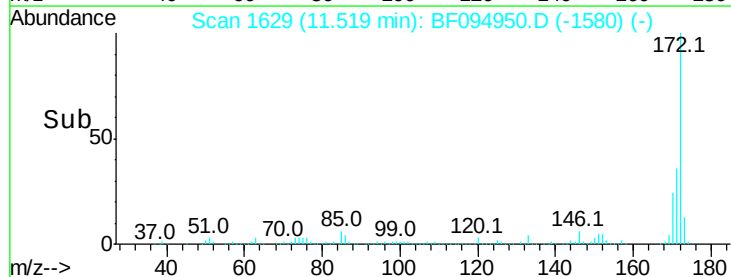
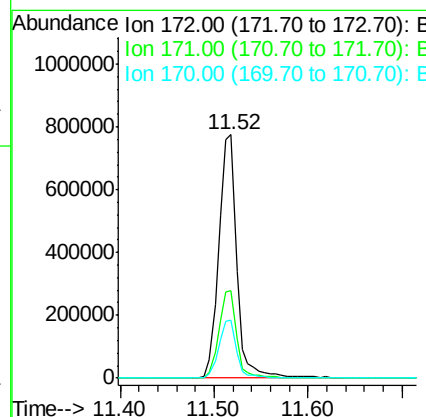
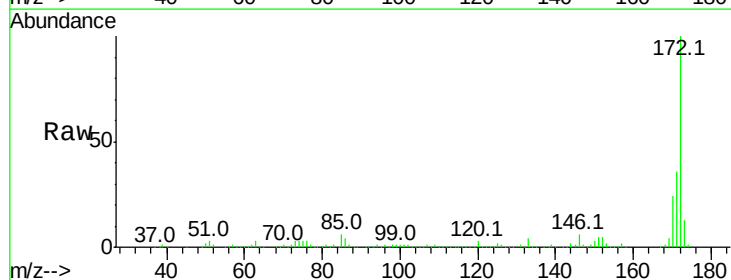
Instrument :  
 BNA\_F  
 ClientSampleId :

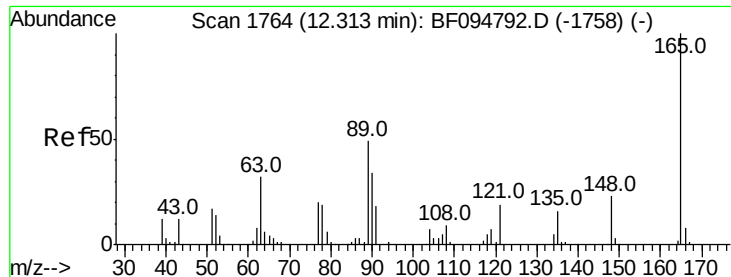
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.2  | 76.6  | 115.0 |
| 141     | 39.7  | 31.4  | 47.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 80.69 ng  
 RT: 11.52 min Scan# 1629  
 Delta R.T. -0.01 min  
 Lab File: BF094950.D  
 Acq: 6 May 2017 9:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 29.6  | 44.4  |
| 170     | 23.7  | 19.8  | 29.8  |

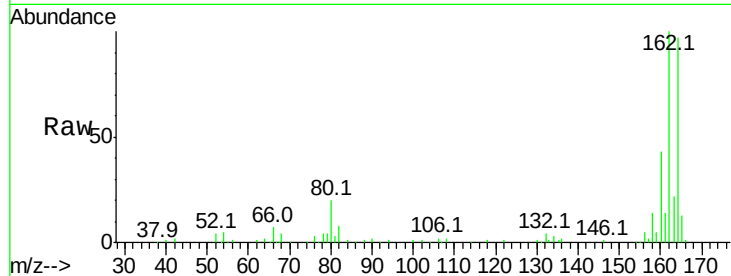




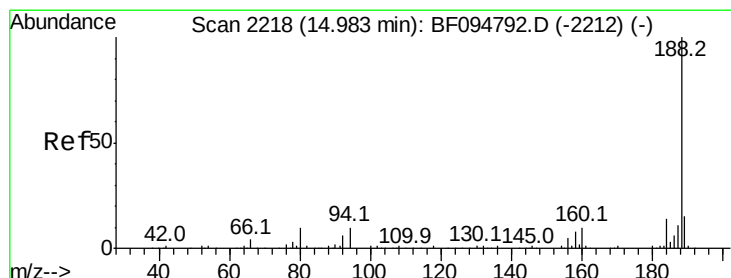
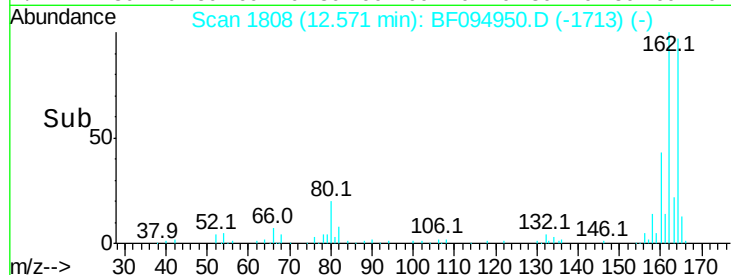
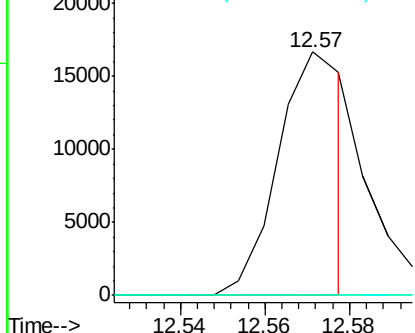
#50  
 2,6-Dinitrotoluene  
 Concen: 5.70 ng  
 RT: 12.57 min Scan# 1808  
 Delta R.T. 0.26 min  
 Lab File: BF094950.D  
 Acq: 6 May 2017 9:08

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 17937  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 34.3 51.5#  
 89 0.0 37.1 55.7#

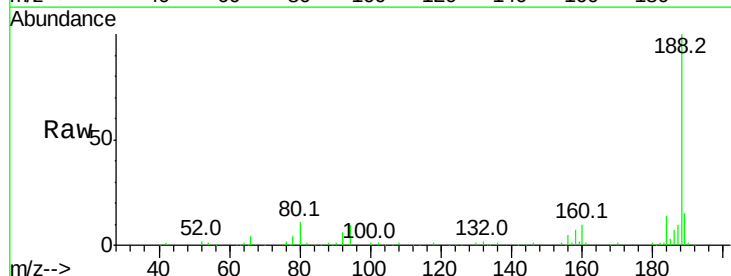


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

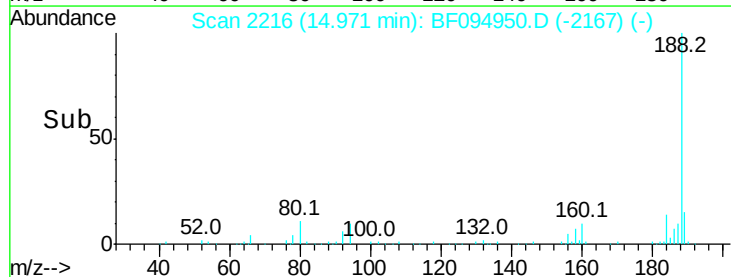
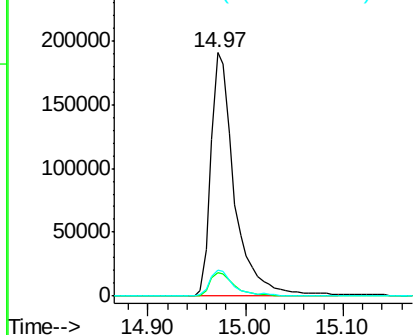


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 14.97 min Scan# 2216  
 Delta R.T. -0.01 min  
 Lab File: BF094950.D  
 Acq: 6 May 2017 9:08

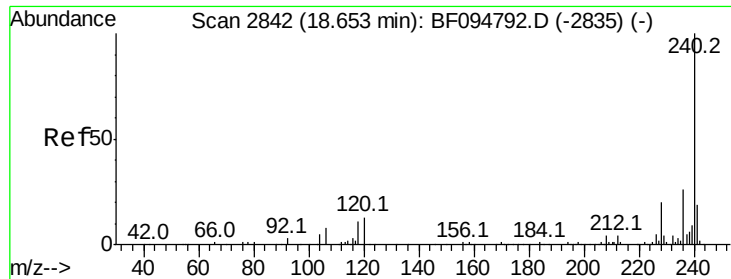
Tgt Ion:188 Resp: 320998  
 Ion Ratio Lower Upper  
 188 100  
 94 9.8 9.4 14.2  
 80 10.9 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0







#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BF094950.D

Acq: 6 May 2017 9:08

Instrument :

BNA\_F

ClientSampleId :

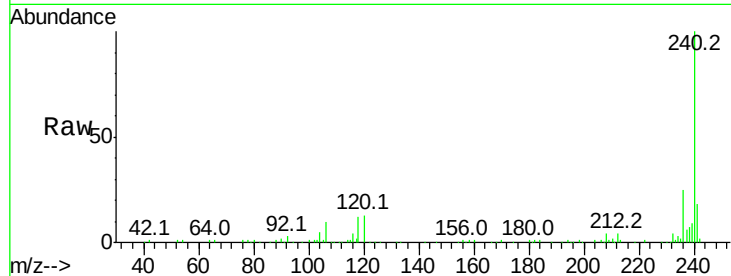
Tot Ion:240 Resp: 242380

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

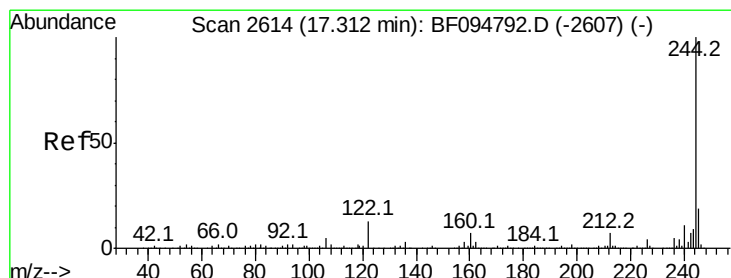
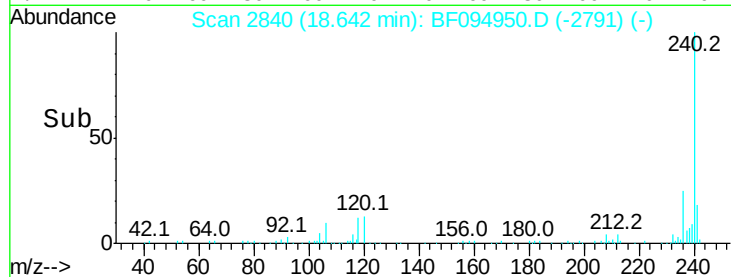
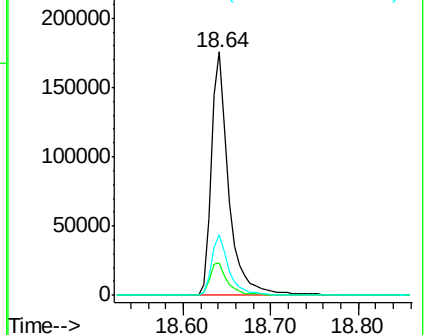
236 24.8 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 78.57 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF094950.D

Acq: 6 May 2017 9:08

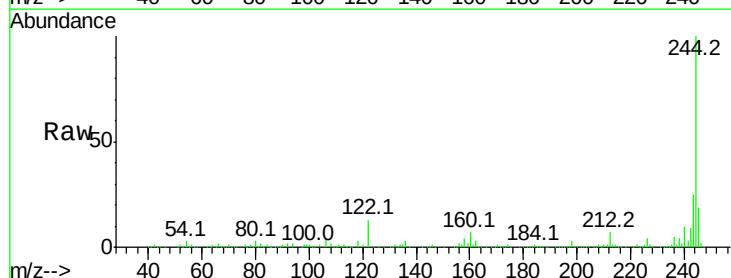
Tgt Ion:244 Resp: 864659

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

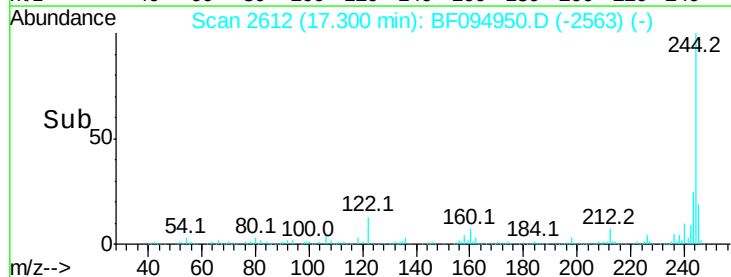
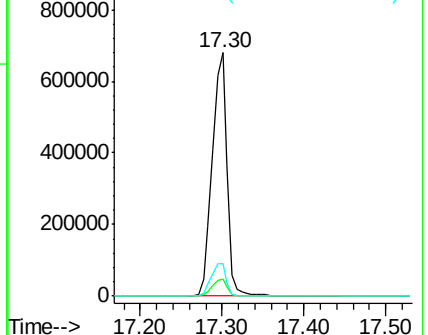
122 13.3 10.3 15.5

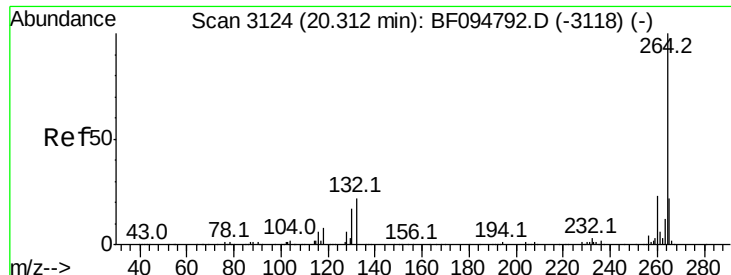


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

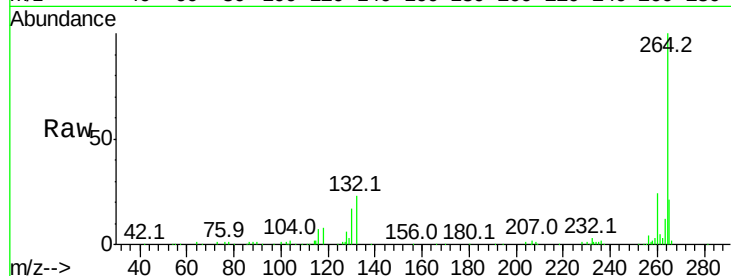




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 20.31 min Scan# 3123  
 Delta R.T. -0.01 min  
 Lab File: BF094950.D  
 Acq: 6 May 2017 9:08

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.5  | 29.3  |
| 265     | 21.5  | 17.2  | 25.8  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

